Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/17/2022 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124522	-1	1.38	124434	1.37
Blue	F	SSC	125000	121956	-3	2.72	122413	2.61
Blue	E	FITC	13602	13191	-4	2.3	370	13.74
Blue	D	PE	24891	24418	-2	1.72	581	10.59
Blue	B	PerCP-Cy5-5	33972	33052	-3	2.95	945	14.8
Blue	A	PE-Cy7	22865	22590	-2	4.99	467	30.83
Red	C	APC	47198	46474	-2	2.58	1609	11.08
Red	A	APC-Cy7	26454	25470	-4	3.08	720	12
Violet	B	V450	6737	6460	-5	3.71	450	11.43
Violet	A	V500	29317	28057	-5	3.37	961	8.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24195	2.4	539	4	N/A	N/A	Pass
Blue	F	SSC	54752	2.08	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	488	4	0.0395	47	Pass
Blue	D	PE	113	37.53	491	5	0.3488	219	Pass
Blue	B	PerCP-Cy5-5	148	41.34	583	4	0.0201	76	Pass
Blue	A	PE-Cy7	77	82.37	626	5	0.0222	6	Pass
Red	C	APC	336	25.69	570	-2	0.0313	270	Pass
Red	A	APC-Cy7	134	34.73	547	-4	0.0069	1637	Pass
Violet	B	V450	77	45.94	445	-5	0.0545	2039	Pass
Violet	A	V500	114	32.48	464	-5	0.0268	1245	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.91	-31.64	1.09
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	16.09	13.90 - 20.86	N/A	N/A	30.01	30.24	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11790

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments